

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (Currently Amended) A method of managing control information in a control information management server that collectively manages control information for controlling control objects, the method comprising:

producing the control information in compliance with an instruction from a user that is issued by the user responding to first information;

collecting alteration information unknown to the user and responsive to alteration to the first information;

sending a message via email to a mobile communication terminal of the user, said message including the alteration information unknown to the user and responsive to the alteration to the first information, and said message further including a request for permission to alter the control information;

altering the control information based on the alteration information in response to permission sent from the mobile communication terminal of the user responding to the message; and

controlling a control object in accordance with the altered control information.

2. (Previously Presented) The method as claimed in claim 1, wherein altering the control information comprises:

collecting alteration information;

requesting permission to alter the control information after notifying a user that the control information needs to be altered based on the collected alteration information; and

altering the control information upon receipt of the permission from the user.

3. (Previously Presented) The method as claimed in claim 1, wherein controlling the control object comprises:

requesting permission to alter the control information after notifying the user that the control information be transmitted to the control object; and

transmitting the control information to the control object upon receipt of transmission permission from the user.

4. (Previously Presented) The method as claimed in claim 1, further comprising notifying the user of an abnormal state of the control object, when no control information reception acknowledgement is sent from the control object after the transmission of the control information to the control object.

5. (Cancelled)

6. (Currently Amended) A method of controlling a control object in a control object controlling device that controls a control object in accordance with control information, the method comprising:

receiving the control information altered based on alteration information, information unknown to a user and responsive to alteration to first information, for altering the control information on a transmission side, sending a message via email to a mobile communication terminal of the user, said message including the alteration information unknown to the user and responsive to the alteration to the first information, and said message further including a request for permission to alter the control information, and altering the control information based on the alteration information in response to permission sent from the mobile communication terminal of the user responding to the message, after collecting the alteration information;

selecting a control object corresponding to the received control information; and
controlling the selected control object in accordance with the received control information.

7. (Cancelled)

8. (Currently Amended) A recording medium that can be read by a computer and stores a program for enabling a computer to perform an operation in a control information management server that collectively manages control information for controlling a control object, the program comprising:

a control information producing procedure producing the control information in compliance with an instruction from a user that is issued by the user responding to first information;

a control information alteration procedure collecting alteration information, ~~information~~ unknown to the user and responsive to alteration to the first information, ~~used for altering the control information,~~ sending a message via email to a mobile communication terminal of the user responding to the message, said message including the alteration information unknown to the user and responsive to the alteration to the first information, ~~and said message further including~~ a request for permission to alter the control information, and altering the control information in accordance with the alteration information in response to permission sent from the mobile communication terminal of the user.

9. (Cancelled)

10. (Currently Amended) A recording medium that can be read by a computer and stores a program for enabling a computer to perform an operation in a control object controlling device that controls a control object in accordance with control information, the program comprising:

a control information reception procedure receiving control information altered based on alteration information, ~~information~~ unknown to a user and responsive to alteration to first information, after collecting the alteration information for altering the control information on a transmission side, sending a message via email to a mobile communication terminal of the user, said message including the alteration information unknown to the user and responsive to the alteration to the first information, ~~and said message further including~~ a request for permission to alter the control information, and altering the control information based on the alteration information in response to permission sent from the mobile communication terminal of the user responding to the message; and

a control procedure selecting a control object corresponding to the received control information, and controlling the selected control object in accordance with the received control information.

11. (Cancelled)

12. (Currently Amended) A control information management server that collectively manages control information for controlling a control object, the control information management server comprising:

a control information producing unit that produces the control information in compliance

with an instruction from a user that is issued by the user responding to first information; and

a control information alteration unit that collects alteration ~~information~~, information unknown to the user and responsive to alteration to the first information, for altering the control information, sends a message via email to a mobile communication terminal of the user, said message including the alteration information unknown to the user and responsive to the alteration to the first information, ~~and said message further including a request for permission to~~ alter the control information, and alters the control information in accordance with the alteration information, in response to permission sent from the mobile communication terminal of the user responding to the message,

the control information management server controlling the control object in accordance with the control information.

13. (Cancelled)

14. (Currently Amended) A control information management system that collectively manages control information for controlling a control object, the control information management system comprising:

a control information producing unit that produces the control information in compliance with an instruction from a user that is issued by the user responding to first information;

a control information alteration unit that collects alteration ~~information~~, information unknown to the user and responsive to alteration to the first information, for altering the control information, sends a message via email to a mobile communication terminal of the user, said message including the alteration information unknown to the user and responsive to the alteration to the first information, ~~and said message further including a request for permission to~~ alter the control information, and alters the control information in accordance with the alteration information in response to permission sent from the mobile communication terminal of the user responding to the message;

a control information transmission unit that transmits the control information via a network;

a control information reception unit that receives the transmitted control information; and

a control unit that selects a control object corresponding to the received control information, and controls the selected control object in accordance with the received control information.

15. (Cancelled)

16. (Cancelled)

17. (New) A method for managing control information for controlling control objects comprising:
allowing a user to specify a condition for alerting the user concerning an update to control information of a control object;
presenting the user with the update to the control information for approval when the condition is met; and
updating the control information of the control object when approval is given by the user.

18. (New) The method as claimed in claim 17, wherein the control information is automatically updated when a second condition is met.